Amendments to the Claims

1. (Original) A method of manufacture, remanufacture, or repair of a compressor having:

a rotor having a working portion having a first end face;

a housing assembly carrying the rotor for rotation about a rotor axis and having a first housing element having a first surface facing the first end face, the method comprising:

positioning one or more spacer elements from the first housing element;

machining the one or more spacer elements; and

applying a coating over the first surface around the one or more spacer elements.

2. (Original) The method of claim 1 wherein there are a plurality of such spacer elements.

3. (Original) The method of claim 2 wherein the machining of the spacer elements provides coplanarity of first end surfaces of the spacer elements.

4. (Original) The method of claim 3 further comprising:

plastically deforming the coating to a thickness associated with a height of the spacer elements.

5. (Original) The method of claim 4 wherein the thickness is between 40 and 250 μm.

6. (Original) The method of claim 4 wherein the plastically deforming consists essentially of compressing.

7. (Original) The method of claim 4 wherein the plastically deforming consists essentially of compressing with said rotor.

8. (Original) The method of claim 4 wherein the plastically deforming consists essentially of compressing with a flat element.

9. (Original) The method of claim 1 wherein the positioning of the spacer elements comprises press fitting.

10. (Original) The method of claim 1 wherein the there are between 3 and 5 spacer elements.

11. (Original) The method of claim 1 further comprising removing old spacer elements before inserting the at least one spacer element.

12. (Original) The method of claim 1 wherein the rotor is a screw-type male rotor and the compressor further includes at least one screw-type female rotor enmeshed with the male rotor.

13. (Original) A method of manufacture, remanufacture, or repair of a compressor having:

a rotor having a working portion having a first end face;

a housing assembly carrying the rotor for rotation about a rotor axis and having a first housing element having a first surface facing the first end face rotor working portion, the method comprising:

applying a coating over the first surface around a plurality of spacers elements protruding from the first housing element; and

plastically deforming the coating by compressing the coating.

14. (Original) The method of claim 1 wherein:

the compressing comprises compressing with the rotor.

15. (Original) The method of claim 1 wherein:

the compressing comprises compressing with a flat plate.

16. (Original) A method of manufacture, remanufacture, or repair of a compressor having:

a rotor having a working portion having a first end face;

a housing assembly carrying the rotor for rotation about a rotor axis and having a first housing element having a first surface facing the first end face rotor working portion, the method comprising the steps of:

one or more steps for providing at least one spacer element protruding from the first housing element;

one or more steps for applying a coating over the first surface; and

one or more steps for precompressing the applied coating.

17. (Original) The method of claim 16 wherein:

the one or more steps for providing at least one spacer element protruding from the first housing element includes an inserting step and a machining step after the inserting step.

18. (Original) The method of claim 16 wherein:

the one or more steps for applying a coating over the first surface comprises applying the coating around the at least one spacer element.

19. (New) The method of claim 8 wherein the flat element is a flat plate.

20. (New) The method of claim 8 wherein the flat element is not the rotor.